

Workshop on Radiation Effects in Superconducting Magnet Materials 2015 (RESMM'15)

Sunday 10 May 2015 - Thursday 14 May 2015

Facility for Rare Isotope Beams

Book of abstracts

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Session C: Benchmark Experiments / 1

Measurement of the damage rate of copper irradiated with 125 MeV protons at 12 K and comparison with calculated result with the PHITS code

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Session B: Modeling - II / 2

Correlation between the dpa number and Tc in Nb₃Sn wires for HL-LHC

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Session B: Modeling - II / 3

Study on Magnesium Diboride SC Links for HL-LHC

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Session B: Modeling - II / 4

Study of the Displacement per atom in the n-alpha Reaction on MgB₂ in the frame of Hi-Lumi LHC Project

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Radiation Heat Load and Coil Lifetime Calculations in Support of FRIB Dipole Magnet Design

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Session A: Superconducting Magnet Designs / 6

Beam-Related Design Limits for Superconducting Magnets

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The FRIB Fragment Separator Status

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Roadmap to Determine the Damage Limit of Superconducting Magnets for Instantaneous Beam Losses

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Progress of COMET Superconducting Solenoid System

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Recent neutron irradiation experiments on HTS coated conductors and Nb₃Sn wires

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RESMM

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Session B: Modeling - II / 12

DPA and power density constraints for Mu2e @ PIP-II design

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Radiation Heat Deposition in LHC IR Quadrupoles

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Session A: Superconducting Magnet Designs / 14

Reference Design of the Mu2e Production Solenoid

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